

# "ASTHMA-RELATED" SANITATION RULES IN CHILD CARE AND SCHOOLS

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# "ASTHMA-RELATED" SANITATION RULES IN CHILD CARE AND SCHOOLS

HOW MANY CHILDREN COULD BE  
AFFECTED?

- According to "The Burden of Asthma in North Carolina 2006" in 2005 17.8% of children in North Carolina age 17 and under were diagnosed with asthma

# "ASTHMA-RELATED" SANITATION IN CHILD CARE AND SCHOOLS

- Of that 17.8 almost half missed at least one day of school due to their asthma
- And of that group 37% missed between one and nine days of school in the past 12 months



# "ASTHMA-RELATED" SANITATION RULES IN CHILD CARE

RULES GOVERNING THE SANITATION OF  
CHILD CARE CENTERS 15A NCAC 18A  
.2800 AND HOW THEY CAN DIRECTLY  
AFFECT INDOOR AIR QUALITY AND  
ASTHMA TRIGGERS

# "ASTHMA-RELATED" SANITATION RULES IN CHILD CARE

## FOOD STORAGE AND PROTECTION .2806

- Food shall be stored in approved clean tightly covered storage containers once the original package is opened

# "ASTHMA-RELATED" SANITATION RULES IN CHILD CARE

## CLEANING ISSUES:

### FLOORS .2824

- Easily cleanable and clean
- Non-absorbent



# "ASTHMA-RELATED" SANITATION RULES IN CHILD CARE

## FLOORS CONT.

- Cleaned using extraction methods at least once every six months
- Carpets must be dry within 12 hours of cleaning

# "ASTHMA-RELATED" SANITATION IN CHILD CARE

## FLOORS CONT.

- Free of visible fungal growth
- Carpeted floors shall be vacuumed daily when children are not present in the room



# "ASTHMA-RELATED" SANITATION RULES IN CHILD CARE

## WALLS AND CEILING .2825

- Clean and free of visible fungal growth
- Nonabsorbent where food is stored or prepared utensil-washing rooms and in bathrooms

# "ASTHMA-RELATED" SANITATION RULES IN CHILD CARE

## TOILETS .2817

- Clean and disinfected
- Storage in toilet rooms limited to toileting and diapering supplies in a clean dry place

# "ASTHMA-RELATED" SANITATION RULES IN CHILD CARE

## STORAGE .2820

- Adequate space
- Stored to facilitate cleaning
- Any substance which may be hazardous to a child if ingested, inhaled or handled shall be used according to manufacturer's instructions and kept locked



# "ASTHMA-RELATED" SANITATION RULES IN CHILD CARE

## TOYS EQUIPMENT AND FURNITURE .2822

- Kept clean
- Water play centers clean and dry

# "ASTHMA-RELATED" SANITATION RULES IN CHILD CARE

## SOLID WASTE .2830

- All food and non-food waste to be placed in plastic-lined cleanable containers with lids
- Cleaning facilities must be provided
- Dumpsters kept clean

# "ASTHMA-RELATED" SANITATION RULES IN CHILD CARE

## INDOOR AIR QUALITY

- Temps must be maintained between 65-85 degrees F .2826(b)
- All ventilation equipment shall be clean and in good repair .2826(b)
- Smoking is prohibited in any part of the child care center or the outdoor learning environment .2823(b)



# "ASTHMA-RELATED" SANITATION RULES IN CHILD CARE

## INDOOR AIR QUALITY

- Pesticides shall not be applied or used when children are present in the area .2831(d)
- Carpeted floors shall be vacuumed daily when children are not present .2824(c)

# "ASTHMA-RELATED" SANITATION RULES IN CHILD CARE

## OUTDOOR LEARNING ENVIRONMENT .2832

- Kept clean and drained .2832(a)

## AIR QUALITY FORECAST

- Limits time children can participate in physical activity outside depending on color code forecast .2832(d)

# "ASTHMA-RELATED" SANITATION RULES IN CHILD CARE

## AIR QUALITY FORCAST CONTINUED

- Forecast is made by the Division of Air Quality or the regional air quality agency for the county
- Code orange (unhealthy for sensitive groups) - no outside physical activity between 12 and 8pm for more than one hour



# "ASTHMA-RELATED" SANITATION RULES IN CHILD CARE

- Code red (unhealthy) – no outside physical activity between the hours of noon and 8pm for more than 15 minutes
- Code purple (very unhealthy) – no outside physical activity between the hours of noon and 8pm
- Provisions for indoor physical activity shall be made for children diagnosed with asthma

# NC SCHOOL SANITATION RULES AND “ASTHMA-RELATED” PROPOSALS

- RULES GOVERNING THE SANITATION OF PUBLIC PRIVATE AND RELIGIOUS SCHOOLS 15A NCAC 18A .2400 AND HOW THE PROPOSED RULE CHANGES CAN DIRECTLY AFFECT INDOOR AIR QUALITY AND ASTHMA TRIGGERS

# NC SCHOOL SANITATION RULES AND "ASTHMA-RELATED" PROPOSALS

## INSPECTIONS .2402 (e) PROPOSED

- Pre-kindergarten programs shall be inspected separately in accordance with the Rules Governing the Sanitation of Child Care Centers 15A NCAC 18A .2800



# NC SCHOOL SANITATION RULES AND "ASTHMA-RELATED" PROPOSALS

## PHYSICAL EDUCATION AND ATHLETIC FACILITIES.2413 PROPOSED

- (a) Floors walls ceilings and furnishings in shower and dressing areas shall be constructed of impervious washable material and shall be clean

# NC SCHOOL SANITATION RULES AND "ASTHMA-RELATED" PROPOSALS

## CLEANING ISSUES

### TOILET FACILITIES .2408

#### PROPOSED RULE

- (a) Storage in toilet rooms shall be limited to items used for toileting diapering and personal hygiene

#### CURRENT

- (b) Walls and ceilings shall be constructed of non-absorbent washable materials and kept clean and in good repair

# NC SCHOOL SANITATION RULES AND "ASTHMA-RELATED" PROPOSALS

## FLOORS WALLS CEILINGS (CURRENT) AND FURNISHINGS .2410 (PROPOSED)

- (a) Floors walls and ceilings of all areas shall be kept clean  
Carpet and furnishings shall be clean dry odor-free and in good repair



# NC SCHOOL SANITATION RULES AND "ASTHMA-RELATED" PROPOSALS

## STORAGE SPACES .2411

### CURRENT

- (a) Storage spaces classrooms and custodians' closets shall be kept clean and arranged so as to facilitate cleaning.

# NC SCHOOL SANITATION RULES AND "ASTHMA-RELATED" PROPOSALS

## LIGHTING AND VENTILATION .2412

### CURRENT RULE

- (b) All windows and fixtures grills vents blinds etc. shall be kept clean and in good repair

# NC SCHOOL SANITATION RULES AND “ASTHMA-RELATED” PROPOSALS

## LIGHTING AND VENTILATION 2412

### PROPOSED RULE

- (c) Heating and air vents and return air intakes shall remain free of obstruction and remain uncovered as designed  
Outside air intakes shall be free of obstruction  
Air cleaning filters shall be properly sized in place and functional



# NC SCHOOL SANITATION RULES AND "ASTHMA-RELATED" PROPOSALS

LIGHTING AND VENTILATION CONT.

## PROPOSED RULE

- (d) Moisture shall be controlled such that there is no evidence of microbial growth on interior surfaces and objects

# NC SCHOOL SANITATION RULES AND "ASTHMA-RELATED" PROPOSALS

## PHYSICAL EDUCATION AND ATHLETIC FACILITIES CONT. 2413 PROPOSED

- (e) Clean laundry shall be handled and stored separately from soiled laundry
- (f) Bath towels shall be clean and stored and handled in a sanitary manner

# NC SCHOOL SANITATION RULES AND "ASTHMA-RELATED" PROPOSALS

## SOLID WASTE DISPOSAL .2414

### CURRENT

- (a) Impervious cleanable containers with lids approved by the Dept. shall be provided for the storage of solid waste
- (b) Solid waste containers shall be kept clean in good repair and emptied when full but not less than once a week



# NC SCHOOL SANITATION RULES AND "ASTHMA-RELATED" PROPOSALS

## PREMISES .2415

### CURRENT

- (a) Premises under control of the principal shall be kept clean at all times
- There shall be no fly or mosquito breeding places, rodent harborages, or undrained areas on the premises.

THE END